Nicolas Villandier

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4253540/publications.pdf

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22 papers	1,081 citations	623734 14 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	1358 citing authors

#	Article	IF	Citations
1	Production of Highâ€Quality Diesel from Biomass Waste Products. Angewandte Chemie - International Edition, 2011, 50, 2375-2378.	13.8	353
2	One pot catalytic conversion of cellulose into biodegradable surfactants. Chemical Communications, 2010, 46, 4408.	4.1	94
3	Conjugating biomaterials with photosensitizes: advancers and perspectives for photodynamic antimicrobial chemotherapy. Photochemical and Photobiological Sciences, 2020, 19, 445-461.	2.9	72
4	Glycerol as a cheap, safe and sustainable solvent for the catalytic and regioselective Î²,Î²-diarylation of acrylates over palladium nanoparticles. Green Chemistry, 2010, 12, 804.	9.0	61
5	From glycerol to lactic acid under inert conditions in the presence of platinum-based catalysts: The influence of support. Catalysis Today, 2015, 257, 267-273.	4.4	61
6	Transformation of Cellulose into Biodegradable Alkyl Glycosides by Following Two Different Chemical Routes. ChemSusChem, 2011, 4, 508-513.	6.8	51
7	Rational Design of Sugarâ€Basedâ€Surfactant Combined Catalysts for Promoting Glycerol as a Solvent. Chemistry - A European Journal, 2008, 14, 10196-10200.	3.3	50
8	Palladium complexes grafted onto mesoporous silica catalysed the double carbonylation of aryl iodides with amines to give Î±-ketoamides. Catalysis Science and Technology, 2012, 2, 1886.	4.1	42
9	Porphyrin-Loaded Lignin Nanoparticles Against Bacteria: A Photodynamic Antimicrobial Chemotherapy Application. Frontiers in Microbiology, 2020, 11, 606185.	3.5	32
10	Efficient oxidative modification of polysaccharides in water using H2O2 activated by iron sulfophthalocyanine. Carbohydrate Polymers, 2009, 78, 938-944.	10.2	25
11	Removal of cesium ion from contaminated water: Improvement of Douglas fir bark biosorption by a combination of nickel hexacyanoferrate impregnation and TEMPO oxidation. Ecological Engineering, 2017, 100, 186-193.	3.6	20
12	Acetylated Lignins: A Potential Bioâ€Sourced Photosensitizer. ChemistrySelect, 2018, 3, 5512-5516.	1.5	20
13	Acetylated lignin nanoparticles as a possible vehicle for photosensitizing molecules. Nanoscale Advances, 2020, 2, 5648-5658.	4.6	17
14	Photophysical and Antibacterial Properties of Porphyrins Encapsulated inside Acetylated Lignin Nanoparticles. Antibiotics, 2021, 10, 513.	3.7	17
15	Adsorption of fulvic and humic like acids on surfaces of clays: Relation with SUVA index and acidity. Applied Clay Science, 2018, 154, 83-90.	5.2	14
16	Selective synthesis of amphiphilic hydroxyalkylethers of disaccharides over solid basic catalysts. Journal of Molecular Catalysis A, 2006, 259, 67-77.	4.8	13
17	Development of Phenalenone-Triazolium Salt Derivatives for aPDT: Synthesis and Antibacterial Screening. Antibiotics, 2021, 10, 626.	3.7	10
18	Prospects for More Efficient Multi-Photon Absorption Photosensitizers Exhibiting Both Reactive Oxygen Species Generation and Luminescence. Molecules, 2021, 26, 6323.	3.8	10

#	Article	IF	Citations
19	Interfacial reactions between humic-like substances and lateritic clay: Application to the preparation of â€œgeomimeticâ€•materials. Journal of Colloid and Interface Science, 2014, 434, 208-217.	9.4	9
20	Binding and setting of kaolin based materials with natural organic acids. Applied Clay Science, 2015, 114, 609-616.	5.2	6
21	Photodegradation of tebuconazole in a fluidized bed reactor mediated by phenalenone supported on sand. Chemical Engineering Journal, 2021, 410, 128332.	12.7	5
22	Photodegradation of tebuconazole mediated by a novel hybrid phenalenone based photosensitizer. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 408, 113124.	3.9	4